PHILIPS Lighting



DecoScene LED BBP621

BBP621 15xLED-HB/WW II WB GC GR RMR

DecoScene LED Accent, 15, LED High Brightness, Wide beam, Clear glass, Recessed mounting box round

Whether floodlighting a piece of architecture or creating accent effects, for many designers the ideal luminaire would be invisible. With their recessed housings, inground floodlights are about as close as it gets to this ideal situation. DecoScene LED has been designed to deliver the optimal upward lighting effect – from highpowered floodlighting to more subtle effects such as accent lighting. Its unique collimating optic delivers a uniform light output and ensures optimum color mixing. Square and round housings fit snugly into paving, concrete or grass, leaving the surface flush and unobtrusive during the day. The combination of the latest LED technology and best-in-class optics makes DecoScene LED a totally flexible solution – easy to install, no matter where, and creating a perfect lighting effect.

Product data

General Information	
Lamp family code	LED-HB [LED High Brightness]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)

	value also represents the B10 value. * At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
Light source engine type	LED
Product family code	BBP621 [DecoScene LED Accent]
Lighting Technology	LED
Value ladder	Performance
Embedded control	-
CE mark	Yes
Warranty period	3 years

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-
ENEC mark
Temperature 650 °C, duration 5 s
Yes
0.03
1,512 lm
-
-
2700 K
54.0 lm/W
80
15
Warm white
Clear glass
38°
Wide beam
100 to 277 V
50 to 60 Hz

Line Frequency	50 to 60 Hz
Inrush current	35 A
Inrush time	0.35 ms
Power Consumption	28 W
Power Factor (Fraction)	0.8
Connection	-
Cable	Cable 3.0 m without plug
Number of succession MCD of 10 A trans	22

Number of products on MCB of 16 A type 32

Temperature

Ambient temperature range

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Tempered glass

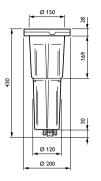
-40 to +50 °C

Fixation material	Steel
Housing Color	Gray
Mounting device	Recessed mounting box round
Optical cover shape	Convex lens
Optical cover finish	Clear
Overall height	430 mm
Overall diameter	200 mm
Effective projected area	0 m²
Approval and Application	
Ingress protection code	IP67 [Dust penetration-protected, watertight
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV
2 (, , ,	differential mode and 4 kV common mode
Sustainability rating	-
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.437, 0.420) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compli	ant)
Control gear failure rate at median useful	-
life 100000 h	
life 100000 h Lumen maintenance at median useful	L80
Lumen maintenance at median useful	
Lumen maintenance at median useful	
Lumen maintenance at median useful life* 100000 h	
Lumen maintenance at median useful life* 100000 h Application Conditions	L80
Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	L80 25 °C
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Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code	L80 25 °C Not applicable BBP621 15xLED-HB/WW II WB GC GR RMR BBP621 15xLED-HB/WW II WB GC GR RMR 871829141889400 41889400
Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	L80 25 °C Not applicable BBP621 15xLED-HB/WW II WB GC GR RMR BBP621 15xLED-HB/WW II WB GC GR RMR 871829141889400 41889400 910403948612
Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L80 25 °C Not applicable BBP621 15xLED-HB/WW II WB GC GR RMR BBP621 15xLED-HB/WW II WB GC GR RMR 871829141889400 41889400 910403948612 1

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Dimensional drawing





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